



Patent  
Attorney's Docket No. 030681-351

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )  
Byung-kyu LEE ) Group Art Unit: 1773  
Application No.: 10/032,103 ) Examiner: H. Rickman  
Filed: December 31, 2001 ) Confirmation No.: 5887  
For: PERPENDICULAR MAGNETIC )  
RECORDING MEDIUM )

RECEIVED  
JUN 19 2003  
TC 1700

*[Handwritten signature]*  
6/24/03  
*[Handwritten initials]*

AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In reply to the Office Action dated March 19, 2003, kindly amend the above-captioned application as follows:

IN THE CLAIMS:

Kindly amend claims 9, 10, 15 and 16 and add new claims 17-21 as follows:

9. (Twice Amended) The perpendicular magnetic recording medium of claim 1, wherein the perpendicular magnetic recording medium has a double-layer structure including a soft magnetic layer between the substrate and the perpendicular orientation promoting underlayer.

10. (Twice Amended) The perpendicular magnetic recording medium of claim 1, wherein the perpendicular magnetic recording medium has a double-layer structure with a



1773  
\$  
Patent

Attorney's Docket No. 030681-351

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED  
JUN 19 2003  
TC 1700

In re Patent Application of )  
Byung-kyu LEE ) Group Art Unit: 1773  
Application No.: 10/032,103 ) Examiner: h. rICKMAN  
Filed: December 31, 2001 ) Confirmation No.: 5887  
For: PERPENDICULAR MAGNETIC )  
RECORDING MEDIUM )

AMENDMENT TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is an Amendment for the above-identified patent application.

- ☐ A Petition for Extension of Time is also enclosed.
- ☐ A Terminal Disclaimer and the ☐ \$55.00 (2814) ☐ \$110.00 (1814) fee due under 37 C.F.R. § 1.20(d) are also enclosed.
- ☐ Also enclosed is/are \_\_\_\_\_.
- ☐ Small entity status is hereby claimed.
- ☐ Applicant(s) requests continued examination under 37 C.F.R. § 1.114 and enclose the ☐ \$375.00 (2801) ☐ \$750.00 (1801) fee due under 37 C.F.R. § 1.17(e).
- ☐ Applicant(s) previously submitted \_\_\_, on \_\_\_, for which continued examination is requested.
- ☐ Applicant(s) requests suspension of action by the Office until at least \_\_\_, which does not exceed three months from the filing of this RCE, in accordance with 37 C.F.R. § 1.103(c). The required fee under 37 C.F.R. § 1.17(i) is enclosed.
- ☐ A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (1809/2809) is also enclosed.
- ☐ No additional claim fee is required.
- ☒ An additional claim fee is required, and is calculated as shown below:

(05/03)

AMENDED CLAIMS					
	NO. OF CLAIMS	HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	ADD'L FEE
Total Claims	21	MINUS 21 =	1	× \$18.00 (1202) =	18.00
Independent Claims	2	MINUS 3 =	0	× \$84.00 (1201) =	0.00
If Amendment adds multiple dependent claims, add \$280.00 (1203)					
Total Amendment Fee					
If small entity status is claimed, subtract 50% of Total Amendment Fee					
<b>TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT</b>					<b>18.00</b>

☒ A claim fee in the amount of \$ 18.00 is enclosed.

☐ Charge \$ \_\_\_\_\_ to Deposit Account No. 02-4800.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: June 16, 2003

By: 

Charles F. Wieland III  
Registration No. 33,096

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620